

Message Text

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PAGE 01 TOKYO 14329 090730Z
ACTION OES-09

INFO OCT-01 EUR-12 EA-12 ISO-00 ACDA-12 CIAE-00 INR-10
IO-14 L-03 NSAE-00 NSC-05 EB-08 NRC-07 SOE-02
DODE-00 SS-15 SP-02 CEQ-01 PM-05 SAS-02 /120 W
-----009871 091937Z /15

R 090727Z AUG 78
FM AMEMBASSY TOKYO
TO SECSTATE WASHDC 0223
DOE WASHDC
AMEMBASSY PARIS

UNCLAS TOKYO 14329

E.O. 11652: N/A
TAGS: TECH, JA
SUBJECT: WAVE POWER GENERATION TEST

FOR OES/NET

USOECD/IEA

1. ON AUGUST 8 THE JAPANESE OCEANOGRAPHIC S&T CENTER
STARTED THE FIRST PHASE OF OFF-SHORE WAVE POWER GENERATION
TESTS WITH THREE 125-KW AIR TURBO-GENERATORS IN A FLOATING
PLANT ANCHORED 4 KILOMETERS OFF TSURUOKA CITY, YAMAGATA
PREFECTURE. THE TEST SITE IS 40 METERS DEEP AND INITIAL
TESTING WILL BE CONDUCTED UNTIL THE END OF JFY 1978
(MARCH 1979).

2. THE HULL OF THE PLANT, BUILT BY IHI, IS OF SHIP CON-
FIGURATION MEASURING 80 METERS LONG, 12 METERS WIDE AND
DISPLACES 500 TONS. THE BOTTOM OF THE HULL IS MADE UP OF
AIR CHAMBERS. THE AIR IN THE CHAMBERS, COMPRESSED BY
WAVES, CONVERTS INTO A HIGH VELOCITY AIR STREAM CHANELLED
THROUGH NOZZLES PROVIDING POWER FOR DRIVING TURBINES.

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3. AT A SEASIDE CEREMONY, SCIENCE & TECHNOLOGY AGENCY
DIRECTOR GENERAL, KUMAGAI, PRESSED THE TELEMETER SWITCH
TO MARK THE START OF THE TEST. IN HIS ADDRESS, KUMAGAI
EXPRESSED THE HOPE THAT WAVE POWER WILL BECOME A USEFUL
ENERGY SOURCE FOR JAPAN AND THE REST OF THE WORLD.

4. THE SECOND TESTING PHASE IS EXPECTED TO BEGIN IN THE

SUMMER OF 1979 AND IS SCHEDULED TO INCLUDE GENERATORS
PREPARED BY THE US AND UK UNDER THE AUSPICES OF THE IEA
WAVE POWER PROJECT. MANSFIELD

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: ELECTRIC POWER PLANTS
Control Number: n/a
Copy: SINGLE
Draft Date: 09 aug 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 jan 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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Drafter: n/a
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Film Number: D780326-0392
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Handling Restrictions: n/a
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ISecure: 1
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Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: a6d0ea65-c288-dd11-92da-001cc4696bcc
Office: ACTION OES
Original Classification: UNCLASSIFIED
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Original Previous Classification: n/a
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SAS ID: 1786940
Secure: OPEN
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TAGS: TECH, JA
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